

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 August 2003 (14.08.2003)

PCT

(10) International Publication Number
WO 03/066682 A1

(51) International Patent Classification⁷: **C08B 37/08**

(21) International Application Number: PCT/IB03/00074

(22) International Filing Date: 9 January 2003 (09.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P.352079 7 February 2002 (07.02.2002) PL

(71) Applicant (for all designated States except US): **ABBOTT LABORATORIES DE COSTA RICA LTD** [BS/BS];
Sassoon House, Shirley Street and Victoria Avenue,
Nassau, Island of New Providence (BS).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **STRUSZCZYK, Henryk** [PL/PL]; ul. Tuwima 8 m.29, 95-100 Zgierz (PL). **KUCHARSKA, Magdalena** [PL/PL]; ul. Kostki Napier-skiego 2 m.39, 94-056 Lodz (PL). **NIEKRASZEWICZ, Antoni** [PL/PL]; ul. Wici 72 m.9, 91-157 Lodz (PL). **UR-BANOWSKI, Alojzy** [PL/PL]; ul. Limbowa 41, 92-015 Lodz (PL). **WESOŁOWSKA, Ewa** [PL/PL]; ul. Elsnera 9 m.36, 92-504 Lodz (PL). **CIECHANSKA, Danuta** [PL/PL]; ul. Białostocka 25 m.1, 93-355 Lodz (PL).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 03/066682 A1

(54) Title: METHOD FOR DEPROTEINIZATION OF CHITOSAN

(57) Abstract: Methods for deproteinizing chitosan are provided. Proteins are dissolved in aqueous solution under intensive agitation. Precipitated agglomerated microcrystalline product is subject to aqueous acidic or basic salt solution, from which dissolved proteins can be removed. Residual product is deproteinized chitosan.